



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of A. QUAID, et al.) Examiner: W. JUNG
Serial No.: 10/621,119) Art Unit: 3768
Filed: July 16, 2003) Confirmation: 9089
For: **GUIDANCE SYSTEM AND**)
METHOD FOR SURGICAL)
PROCEDURES WITH)
IMPROVED FEEDBACK)
Date of Last Office Action:)
June 16, 2006)
Attorney Docket No.:) Cleveland, OH 44114
MAKO 2 00027-3) September 11, 2006

37 CFR 1.97(c) INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The applicants wish to bring the references cited on the attached PTO-1449 form to the attention of the Examiner.

This Information Disclosure Statement is being filed before a Final Office Action or Notice of Allowance, but after a first Office Action on the merits. Accordingly, the 37 CFR 1.17(p) fee in the amount of \$ 180.00 is due.

The applicants authorize this fee to be charged to a Credit Card and enclose an appropriate form PTO-2038 for this purpose.

Certificate of Mailing

I certify that this **INFORMATION DISCLOSURE STATEMENT** in connection with Ser. No. 10/621,119 is being ☒ deposited with the United States Postal Service as First Class mail under 37 C.F.R. § 1.8, addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date
September 11, 2006

Signature
Hilary M McNulty
Printed Name
Hilary M. McNULTY

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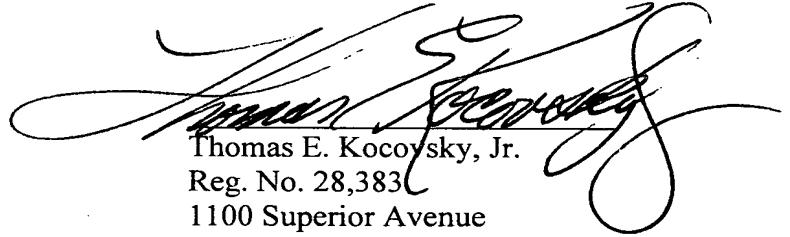
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An early indication that all references have been considered is requested.

Respectfully submitted,

FAY, SHARPE, FAGAN,
MINNICH & MCKEE, LLP

A large, stylized handwritten signature in black ink, likely belonging to Thomas E. Kocovsky, Jr., is written over the printed name and address.

Thomas E. Kocovsky, Jr.
Reg. No. 28,383
1100 Superior Avenue
Seventh Floor
Cleveland, OH 44114-2579
(216) 861-5582



INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Subsidiary Form 1449A/PTO		Complete if Known		
	Application Number		10/621,119		
	Filing Date		July 16, 2003		
	First Named Inventor		QUAID, et al.		
	Art Unit		3768		
	Examiner Name		W. JUNG		
Sheet 1 of 8			Attorney Docket No.		MAKO 2 00027-3

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Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	AA	US-2006/0109266A1	05/25/2006	Itkowitz, et al.
	AB	US-7,039,866 B1	05/02/2006	Rosenberg, et al.
	AC	US-2006/0058616A1	03/16/2006	Marquart, et al.
	AD	US-7,001,346 B2	02/21/2006	White
	AE	US-2006/0033707A1	02/16/2006	Rodomista, et al.
	AF	US-6,985,133 B1	01/10/2006	Rodomista, et al.
	AG	US-2005/0222830A1	10/06/2005	Massie, et al.
	AH	US-2005/0203384A1	09/15/2005	Sati, et al.
	AI	US-2005/0197800A1	09/08/2005	Goodwin, et al.
	AJ	US-6,920,347 B2	07/19/2005	Simon, et al.
	AK	US-2005/0113677A1	05/26/2005	Davies, et al.
	AL	US-2005/0107801A1	05/19/2005	Davies, et al.

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		Country Code-Number Kind Code (if known)			
	AM	WO 2004/069036 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>
	AN	WO 2004/969040 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>
	AO	WO 2004/069041 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>
	AP	WO 2004/070573 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T
	AQ	Quaid, et al. "The Use of Haptic Information Displays For Assisting in the Execution of Image-Guided Surgery Plans", Syllabus of the Computer Assisted Orthopaedic Surgery Meeting, (CAOS/USA 2001), July 2001, Pittsburgh, PA pp. 339-340	<input type="checkbox"/>
	AR	Quaid, et al., "Haptic Information Displays For Computer-Assisted Surgery", Proceedings of the 2002 IEEE International Conference on Robotics & Automation, Washington, DC May 2002, pp 2092-2097	<input type="checkbox"/>
	AS	Abovitz, et al., "The Future Use of Networked Haptic Learning Information Systems in Computer-Assisted Surgery", CAOS 2001, July 6-8, 2001, Pittsburgh, PA pp 337-338	<input type="checkbox"/>
	AT	Abovitz, "Human-Interactive Medical Robotics", CAOS 2001, July 6-8, 2001, Pittsburgh, PA pp 81-82	<input type="checkbox"/>
	AU	Abovitz, "Human-Interactive Medical Robotics", CAOS 2000, June 15-17 2000, Pittsburgh, PA pp 71-72	<input type="checkbox"/>

Examiner Signature		Date Considered	
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	BA	US-2005/0093821A1	05/05/2005	Massie, et al.
	BB	US-6,853,965 B2	02/08/2005	Massie, et al.
	BC	US-2005/0001831A1	01/06/2005	Shih, et al.
	BD	US-6,831,640 B2	12/14/2004	Shih, et al.
	BE	US-2004/0128026A1	07/01/2004	Harris, et al.
	BF	US-2004/0127788A1	07/01/2004	Arata
	BG	US-6,757,582 B2	06/29/2004	Brisson, et al.
	BH	US-2004/0115606A1	06/17/2004	Davies
	BI	US-2004/0106916A1	06/03/2004	Quaid, et al.
	BJ	US-2004/0102866A1	05/27/2004	Harris, et al.
	BK	US-6,711,432 B1	03/23/2004	Krause, et al.
	BL	US-6,701,174 B1	03/02/2004	Krause, et al.

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	BM	WO 2004/070580 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>
	BN	WO 2004/070581 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>
	BO				<input type="checkbox"/>
	BP				<input type="checkbox"/>

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	BQ	Abovitz, "Digital Surgery: The Future of Medicine and Human-Robot Symbiotic Interaction", Industrial Robot: An International Journal, V. 28, N. 5, Oct 2001, pp. 401-406	<input type="checkbox"/>
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	BS		<input type="checkbox"/>
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	CA	US-2004/0034283A1	02/19/2004	Quaid, III
	CB	US-2004/0034282A1	02/19/2004	Quaid, III
	CC	US-2004/9934392A1	02/19/2004	Abovitz, et al.
	CD	US-6,692,485 B1	02/17/2004	Brock, et al.
	CE	US-2004/0024311A1	02/05/2004	Quaid, III
	CF	US-6,674,916 B1	01/06/2004	Deman, et al.
	CG	US-6,671,651 B2	12/30/2003	Goodwin, et al.
	CH	US-6,552,722 B1	04/22/2003	Shih, et al.
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	CK	US-6,493,608 B1	12/10/2002	Niemeyer
	CL	US-6,430,434 B1	08/06/2002	Mittelstadt

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OTHER - NON PATENT LITERATURE DOCUMENTS

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	DA	US-6,421,048 B1	07/16/2002	Shih, et al.
	DB	US-6,417,638 B1	07/09/2002	Guy, et al.
	DC	US-6,405,158 B1	06/11/2002	Massie, et al.
	DD	US-6,405,072 B1	06/11/2002	Cosman
	DE	US-6,393,340 B2	05/21/2002	Funda, et al.
	DF	US-6,385,509 B2	05/07/2002	Das, et al.
	DG	US-6,377,839 B1	04/23/2002	Kalfas, et al.
	DH	US-6,369,834 B1	04/09/2002	Zilles, et al.
	DI	US-6,322,567 B1	11/27/2001	Mittelstadt, et al.
	DJ	US-6,233,504 B1	05/15/2001	Das, et al.
	DK	US-6,231,526 B1	05/15/2001	Taylor, et al.
	DL	US-6,226,566 B1	05/01/2001	Funda, et al.

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	DM			
	DN			
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	DQ			
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U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	EA	US-6,205,411 B1	03/20/2001	DiGioia, III, et al.
	EB	US-6,111,577	08/29/2000	Zilles, et al.
	EC	US-6,104,158	08/15/2000	Jacobus, et al.
	ED	US-6,084,587	07/04/2000	Tarr, et al.
	EE	US-6,033,415	03/07/2000	Mittelstadt, et al.
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	EG	US-6,002,859	12/14/1999	DiGioia, III, et al.
	EH	US-5,987,960	11/23/1999	Messner, et al.
	EI	US-5,984,930	11/16/1999	Maciunas, et al.
	EJ	US-5,980,535	11/09/1999	Barnett, et al.
	EK	US-5,976,156	11/02/1999	Taylor, et al.
	EL	US-5,950,629	09/14/1999	Taylor, et al.

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	EM			
	EN			
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	EP			

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	FA	US-5,898,599	04/27/1999	Massie, et al.
	FB	US-5,887,121	03/23/1999	Funda, et al.
	FC	US-5,871,018	02/16/1999	Delp, et al.
	FD	US-5,831,408	11/03/1998	Jacobus, et al.
	FE	US-5,806,518	09/15/1998	Mittelstadt
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	FG	US-5,695,500	12/09/1997	Taylor, et al.
	FH	US-5,694,013	12/02/1997	Stewart, et al.
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	FJ	US-5,630,431	05/20/1997	Taylor, et al.
	FK	US-5,625,576	04/29/1997	Massie, et al.
	FL	US-5,587,937	12/24/1996	Massie, et al.

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	GA	US-5,572,999	11/12/1996	Funda, et al.
	GB	US-5,445,166	08/29/1995	Taylor
	GC	US-5,408,409	04/18/1995	Glassman, et al.
	GD	US-5,388,480	02/14/1995	Townsend
	GE	US-5,343,385	08/30/1994	Joskowicz, et al.
	GF	US-5,299,288	03/29/1994	Glassman, et al.
	GG	US-5,236,432	08/17/1993	Matsen, III, et al.
	GH	US-5,230,338	07/27/1993	Allen, et al.
	GI	US-5,207,114	05/04/1993	Salisbury, Jr., et al.
	GJ	US-5,154,717	10/13/1992	Matsen, III, et al.
	GK	US-5,142,930	09/01/1992	Allen, et al.
	GL	US-5,086,401	02/04/1992	Glassman, et al.

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	HA	US-5,046,375	09/10/1991	Salisbury, Jr., et al.
	HB	US-4,979,949	12/25/1990	Matsen, III, et al.
	HC	US-4,903,536	02/27/1990	Salisbury, Jr., et al.
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	HO				<input type="checkbox"/>
	HP				<input type="checkbox"/>

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T
	HQ		<input type="checkbox"/>
	HR		<input type="checkbox"/>
	HS		<input type="checkbox"/>
	HT		<input type="checkbox"/>
	HU		<input type="checkbox"/>

Examiner Signature		Date Considered	
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